

which is a division of U.S. Serial No. 08/556,516, filed November 13, 1995, ^{now US Pat. 5,603,721,} which is a division of
U.S. Serial No. 08/281,790, filed July 28, 1994, now U.S. Patent No. 5,514,154, which--

IN THE CLAIMS:

Please cancel claims 2-24 without prejudice.

Please add the following new claims:

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A longitudinally flexible stent for implanting in a body lumen, comprising;

a first cylindrically shaped element, a second cylindrically shaped element,

a third cylindrically shaped element, up to an Nth cylindrically shaped element, the cylindrically

shaped elements being generally independently expandable in the radial direction and generally

aligned on a common longitudinal axis;

other than the first and the Nth cylindrically shaped elements, each of the

cylindrically shaped elements has two adjacent cylindrically shaped elements spaced in opposite

axial directions;

each of the cylindrically shaped elements having an undulating pattern of

peaks and valleys, the undulating pattern of each of the cylindrically shape elements being out of

phase with the undulating pattern of each of the adjacent cylindrically shaped elements; and

each of the cylindrically shaped elements being interconnected to one of the

adjacent cylindrically shaped elements so that the cylindrically shaped elements form a

longitudinally flexible stent.